III. Text Search Results from Dialog

A. Patent Files, Abstract

```
Set     Items   Description
S1      47932   (DATABASE? ? OR DATABANK? ? OR DATAMODEL? ? OR DBMS OR RDB-
                MS OR DB OR DATA()(BASE OR BASES OR MODEL OR MODELS OR BANK? ?
                OR TABLE? ?))(5N)(STRUCTUR? OR BUILD? OR CONSTRUCT? OR DESIG-
                N? OR CREAT? OR MODEL OR MODELS OR MODELING OR DEVELOP? OR CO-
                NFIGUR? OR ARRANG? OR ASSEMBL? OR BUILT OR SCHEME OR SCHEMA OR
                LAYOUT? ?)
S2       2832   (HIERARCH? OR TREE OR TAXONOM? OR MULTILEVEL? ? OR TIER? ?
                OR TIERED)(4N)(TABLE OR TABLES OR RELATIONS OR ENTITY OR ENTI-
                TIES)
S3        291   (MULTIPL? OR MANY OR SEVERAL OR NUMEROUS OR PLURALITY OR P-
                LURAL OR MORE()THAN()ONE)(3N)S2
S4      79047   (NUMBER? ? OR AMOUNT? ? OR TOTAL? ? OR QUANTITY OR QUANTIT-
                IES OR COUNT OR TALLY OR ALLOTMENT OR PROPORTION? ?)(3N)(DIME-
                NSION? ? OR TUPLE OR TUPLES OR ROW OR ROWS OR ATTRIBUTES OR L-
                AYER? ?)
S5     301492   ((LOWEST OR LOWER OR SMALLER OR SMALLEST)(3N)S4 OR (LEAST -
                OR FEWEST OR FEWER OR LESS)(3N)(DIMENSION? ? OR TUPLE OR TUPL-
                ES OR ROW OR ROWS OR ATTRIBUTES OR LAYER? ?))
S6     109516   ((GREATEST OR HIGHEST OR GREATER OR HIGHER)(3N)S4 OR (MOST
                OR MORE)(3N)(DIMENSION? ? OR TUPLE OR TUPLES OR ROW OR ROWS OR
                ATTRIBUTES OR LAYER? ?))
S7     242629   (HIGHEST OR HIGHER OR GREATEST OR GREATER OR TOP OR UPPERM-
                OST OR MAXIMUM OR TOPMOST OR UPPER OR HIGH)(3N)(LEVEL? ? OR H-
                IERARCH? OR TIER? ? OR GRADATION? ?)
S8     171716   (LOWEST OR LOWERMOST OR BOTTOM OR BOTTOMMOST OR LOWER OR M-
                INIMUM OR LOW)(3N)(LEVEL? ? OR HIERARCH? OR TIER? ? OR GRADAT-
                ION? ?)
S9         45   S1 AND S3
S10         0   S9 AND S4
S11        16   S9 AND (DIMENSION? ? OR TUPLE? ? OR ROW OR ROWS OR ATTRIBU-
                TES OR LAYER? ?)
S12         6   S11 AND (S5 OR S6)
S13         2   S12 AND (S7 OR S8)
S14       381   S1 AND S2
S15         6   S14 AND S4
S16         2   S15 AND (S5 OR S6)
S17         1   S15 AND (S7 OR S8)
S18       955   S6 AND S8
S19      3977   S7 AND S5
S20         1   S9 AND (S18 OR S19)
S21         7   S14 AND (S18 OR S19)
S22         2   S3 AND (S18 OR S19)
S23       226   (MULTIDIMENSIONAL OR MULTI()DIMENSIONAL)(5N)S1
S24        12   S23 AND S2
S25         1   S24 AND (S18 OR S19)
S26        12   (S13 OR S16 OR S17 OR S20 OR S21 OR S22 OR S25)
S27         3   S11 AND (S7 OR S8)
S28         5   (S27 OR S12) NOT S26
S29      1071   S1 (5N)HIERARCH?
S30         0   S29 AND S18 AND S19
```

```
S31        11   S29 AND (S18 OR S19)
S32         3   S31 AND (TABLES OR RELATIONS)
S33         1   S32 NOT (S26 OR S28)
S34         0   S31 AND S4
S35         4   S31 AND S2
S36         0   S35 NOT (S26 OR S28 OR S33)
S37         6   S31 NOT (S26 OR S28 OR S33)
S38      1913   AU=((BENNETT, D? OR BENNETT D? OR BENNETT(2N)D?) OR (HU,D?
                OR HU D? OR HU(2N)D?))
S39         2   S38 AND S2
```

26/3,K/4 (Item 4 from file: 350)
DIALOG(R)File 350: Derwent WPIX
(c) 2010 Thomson Reuters. All rights reserved.
0013617573 *Drawing available*
WPI Acc no: 2003-712965/200367
XRPX Acc No: N2003-570241
Multimedia content management object representing method, involves entering metadata and schema in low level physical representation and mapping them to data engine e.g. relational database management system
Patent Assignee: IBM CORP (IBMC); IBM UK LTD (IBMC); INT BUSINESS MACHINES CORP (IBMC)
Inventor: CHOY D M; HU T; LIANG L; NELSON K C; RICHARDT R J; CHOY D M H

Patent Family (14 patents, 101 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
US 5414812	A	19950509	US 1992858784	A	19920327	199524	B
			US 1994296990	A	19940826		

Priority Applications (no., kind, date): US 1992858784 A 19920327; US 1994296990 A 19940826

Claims:and maintaining a configuration database and for providing configuration data to said communications support means for configuration of said layered computer network communications subsystem, said **configuration database subsystem implementing** an object-oriented, **hierarchical** presentation **of** said layered computer network communications subsystem, said object-oriented, hierarchical presentation comprising a plurality of object classes, each of said object classes corresponding to at least one function of a plurality of functions defined for said layered computer network communications subsystem, each of said functions being associated with at **least** one **layer** of **said** layered computer network communications subsystem each said object class being defined by a set of attributes, said plurality of object classes being related in a hierarchical relationship corresponding to a functional relationship defining the relationship of each said function associated with a **layer** to **at least** one **other** of said functions associated with layers above or below said layer in said layered communications subsystem the attributes of a **higher level object class** including one or more lower level object classes.

B. Patent Files, Full-Text

File 348:EUROPEAN PATENTS 1978-200936
        (c) 2009 European Patent Office
File 349:PCT FULLTEXT 1979-2009/UB=20090827|UT=20090709
        (c) 2009 WIPO/Thomson

```
Set     Items   Description
S1      67932   (DATABASE? ? OR DATABANK? ? OR DATAMODEL? ? OR DBMS OR RDB-
                MS OR DB OR DATA()(BASE OR BASES OR MODEL OR MODELS OR BANK? ?
                OR TABLE? ?))(5N)(STRUCTUR? OR BUILD? OR CONSTRUCT? OR DESIG-
                N? OR CREAT? OR MODEL OR MODELS OR MODELING OR DEVELOP? OR CO-
                NFIGUR? OR ARRANG? OR ASSEMBL? OR BUILT OR SCHEME OR SCHEMA OR
                LAYOUT? ?)
S2       2392   (HIERARCH? OR TREE OR TAXONOM? OR MULTILEVEL? ? OR TIER? ?
                OR TIERED)(4N)(TABLE OR TABLES OR RELATIONS OR ENTITY OR ENTI-
                TIES)
S3        171   (MULTIPL? OR MANY OR SEVERAL OR NUMEROUS OR PLURALITY OR P-
                LURAL OR MORE()THAN()ONE)(3N)S2
S4       6765   (NUMBER? ? OR AMOUNT? ? OR TOTAL? ? OR QUANTITY OR QUANTIT-
                IES OR COUNT OR TALLY OR ALLOTMENT OR PROPORTION? ?)(3N)(DIME-
                NSION? ? OR TUPLE OR TUPLES OR ROW OR ROWS OR ATTRIBUTES OR L-
                AYER? ?)
S5       3702   ((LOWEST OR LOWER OR SMALLER OR SMALLEST)(3N)S4 OR (LEAST -
                OR FEWEST OR FEWER OR LESS)(3N)(DIMENSION? ? OR TUPLE OR TUPL-
                ES OR ROW OR ROWS OR ATTRIBUTES OR LAYER? ?))
S6       7122   ((GREATEST OR HIGHEST OR GREATER OR HIGHER)(3N)S4 OR (MOST
                OR MORE)(3N)(DIMENSION? ? OR TUPLE OR TUPLES OR ROW OR ROWS OR
                ATTRIBUTES OR LAYER? ?))
```

```
S7       27689   (HIGHEST OR HIGHER OR GREATEST OR GREATER OR TOP OR UPPERM-
                 OST OR MAXIMUM OR TOPMOST OR UPPER OR HIGH)(3N)(LEVEL? ? OR H-
                 IERARCH? OR TIER? ? OR GRADATION? ?)
S8       16808   (LOWEST OR LOWERMOST OR BOTTOM OR BOTTOMMOST OR LOWER OR M-
                 INIMUM OR LOW)(3N)(LEVEL? ? OR HIERARCH? OR TIER? ? OR GRADAT-
                 ION? ?)
S9          27   S1 (30N) S3
S10          0   S9 (20N) S4
S11         22   S5 (8N) S7
S12         34   S6 (8N) S8
S13          0   S9 (20N) (S11 OR S12)
S14        303   S1 (20N) S2
S15          1   S14 (20N) (S11 OR S12)
S16         45   (S9 OR S14)(20N)(DIMENSION? ? OR TUPLE? ? OR ROW OR ROWS OR
                 LAYER? ?)
S17          1   S16 (50N)(S11 OR S12)
S18          0   S17 NOT S15
S19          5   S16 (20N) (S5 OR S6)
S20          3   S16 (20N)(S7 OR S8)
S21          6   (S19 OR S20) NOT S15
S22       1507   S1(5N)HIERARCH?
S23        243   S22 (20N)(TABLE OR TABLES OR TABULAR OR RELATIONS)
S24         17   S23 (20N)(DIMENSION? ? OR MULTIDIMENSION?)
S25          1   S24 (50N)(S11 OR S12)
S26          4   S24 (20N) (S5 OR S6)
S27          1   S24 (20N) (S7 OR S8)
S28          0   (S25 OR S26 OR S27) NOT (S15 OR S21)
S29         29   AU=((BENNETT, D? OR BENNETT D? OR BENNETT(2N)D?) OR (HU,D?
                 OR HU D? OR HU(2N)D?))
S30          1   S29 AND S2
```

15/3K/1 (Item 1 from file: 349)
DIALOG(R)File 349: PCT FULLTEXT
(c) 2010 WIPO/Thomson. All rights reserved.

01249881
DATABASE STRUCTURE AND FRONT END
STRUCTURE DE BASE DE DONNEES ET FRONTAL
Patent Applicant/Patent Assignee:
   CLARIA CORPORATION
       555 Broadway Street, Redwood City, California 94063; US; US (Residence); US (Nationality); (For all
       designated states except: US)
Patent Applicant/Inventor:
   BENNETT Dominic
       48 Woods Lane, Los Altos, California 94024; US; US (Residence); US (Nationality); (Designated only
       for: US)
   HU Dan
       19608 Pruneridge Ave., #8207, Cupertino, California 95014; US; US (Residence); CN (Nationality);
       (Designated only for: US)
Legal Representative:
   BENEDICTO Patrick D et al (agent)
       OKAMOTO & BENEDICTO LLP, P.O. Box 641330, San Jose, California 95164-1330; US

	Country	Number	Kind	Date
Patent	WO	200557336	A2-A3	20050623
Application	WO	2004US34015		20041014
Priorities	US	2003721117		20031125

IV. Text Search Results from Dialog

A. NPL Files, Abstract

```
File  35:Dissertation Abs Online 1861-2010/Apr
        (c) 2010 ProQuest Info&Learning
File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13
        (c) 2002 Gale/Cengage
File  65:Inside Conferences 1993-2010/Jun 14
        (c) 2010 BLDSC all rts. reserv.
File   2:INSPEC 1898-2010/Jun W1
        (c) 2010 The IET
File 474:New York Times Abs 1969-2010/Jun 12
        (c) 2010 The New York Times
File 475:Wall Street Journal Abs 1973-2010/Jun 14
        (c) 2010 The New York Times
File  99:Wilson Appl. Sci & Tech Abs 1983-2010/Apr
        (c) 2010 The HW Wilson Co.
File 256:TecTrends 1982-2010/Jun W1
        (c) 2010 Info.Sources Inc. All rights res.
File  60:ANTE: Abstracts in New Tech & Engineer 1966-2010/Apr
        (c) 2010 CSA.
File  56:Computer and Information Systems Abstracts 1966-2010/Apr
        (c) 2010 CSA.
File   8:Ei Compendex(R) 1884-2010/Jun W1
        (c) 2010 Elsevier Eng.  Info. Inc.
File  95:TEME-Technology & Management 1989-2010/May W1
        (c) 2010 FIZ TECHNIK
File 108:Aerospace and High Technology Database 1962-2010/Apr
        (c) 2010 CSA.
File 438:Library Lit. & Info. Science 1984-2010/Apr
        (c) 2010 The HW Wilson Co


Set    Items   Description
S1     353762   (DATABASE? ? OR DATABANK? ? OR DATAMODEL? ? OR DBMS OR RDB-
                MS OR DB OR DATA()(BASE OR BASES OR MODEL OR MODELS OR BANK? ?
                OR TABLE? ?))(5N)(STRUCTUR? OR BUILD? OR CONSTRUCT? OR DESIG-
                N? OR CREAT? OR MODEL OR MODELS OR MODELING OR DEVELOP? OR CO-
                NFIGUR? OR ARRANG? OR ASSEMBL? OR BUILT OR SCHEME OR SCHEMA)
S2        914   (HIERARCH? OR TREE OR TAXONOM? OR MULTILEVEL? ? OR TIER? ?
                OR TIERED)(4N)(TABLE OR TABLES OR RELATIONS OR ENTITY OR ENTI-
                TIES)
S3         14   (MULTIPL? OR MANY OR SEVERAL OR NUMEROUS OR PLURALITY OR P-
                LURAL OR MORE()THAN()ONE)(3N)S2
S4       1005   (NUMBER? ? OR AMOUNT? ? OR TOTAL? ? OR QUANTITY OR QUANTIT-
                IES OR COUNT OR TALLY OR ALLOTMENT OR PROPORTION? ?)(3N)(DIME-
                NSION? ? OR TUPLE OR TUPLES OR ROW OR ROWS OR ATTRIBUTES)
S5        153   ((LOWEST OR LOWER OR SMALLER OR SMALLEST)(3N)S4 OR (LEAST -
                OR FEWEST OR FEWER OR LESS)(3N)(DIMENSION? ? OR TUPLE OR TUPL-
                ES OR ROW OR ROWS OR ATTRIBUTES))
S6        695   ((GREATEST OR HIGHEST OR GREATER OR HIGHER)(3N)S4 OR (MOST
                OR MORE)(3N)(DIMENSION? ? OR TUPLE OR TUPLES OR ROW OR ROWS OR
                ATTRIBUTES))
S7      10580   (HIGHEST OR HIGHER OR GREATEST OR GREATER OR TOP OR UPPERM-
                OST OR MAXIMUM OR TOPMOST OR UPPER OR HIGH)(3N)(LEVEL? ? OR H-
                IERARCH? OR TIER? ? OR GRADATION? ?)
S8       3932   (LOWEST OR LOWERMOST OR BOTTOM OR BOTTOMMOST OR LOWER OR M-
                INIMUM OR LOW)(3N)(LEVEL? ? OR HIERARCH? OR TIER? ? OR GRADAT-
```

```
                  ION? ?)
S9         0    S3 AND S4
S10        0    S3 AND (S5 OR S6)
S11        1    S3 AND (S7 OR S8)
S12        9    S2 AND S4
S13        7    S2 AND (S5 OR S6)
S14       62    S2 AND (S7 OR S8)
S15        1    S14 AND (S5 OR S6)
S16       24    (S3 OR S11 OR S12 OR S13 OR S15) NOT PY>2003
S17       21    RD  (unique items)
S18     3354    S1 (5N)HIERARCH?
S19      244    S18 AND (TABLES OR RELATIONS)
S20        1    S19 AND S4
S21        2    S8 (6N) S6
S22        0    S7 (6N) S5
S23        7    S19 AND DIMENSIONS
S24        8    (S20 OR S21 OR S23) NOT (S17 OR PY>2003)
S25        4    RD  (unique items)
S26       23    AU=((BENNETT, D? OR BENNETT D? OR BENNETT(2N)D?) OR (HU,D?
                OR HU D? OR HU(2N)D?))
S27        0    S26 AND S2
```

17/3,K/1 (Item 1 from file: 35)
DIALOG(R)File 35: Dissertation Abs Online
01587455 ORDER NO: AAD97-35720
MULTILEVEL SECURE RELATIONAL MODEL BASED ON THE SEMANTICS OF ALL VISIBLE INFORMATION (DATABASE)
Author: JUKIC, NENAD
Degree: PH.D.
Year: 1997
Corporate Source/Institution: THE UNIVERSITY OF ALABAMA (0004)
Source: Volume 5806B of Dissertations Abstracts International.
PAGE 3147 . 134 PAGES

   Multilevel relations, based on the current **multilevel** secure (MLS) relational data models, can present a user with information that is difficult to interpret and may display an inconsistent outlook about the views of other users. Such ambiguity is due to the lack of a comprehensive method for asserting and interpreting beliefs about **lower level** information. In this dissertation we present a new MLS relational database model that enables the unambiguous interpretation of all visible information and gives the user access to the beliefs of **lower level** users, none of which was possible in any of the existing models. We present a new semantics for MLS database models, which identifies different beliefs that can be held by **higher level** users about **lower level** information, and introduces the new concept of a mirage tuple. We also introduce a mechanism for asserting beliefs about all accessible tuples, including **lower level** tuples. This mechanism provides every user of an MLS database with an unambiguous interpretation of all viewable information and presents a consistent account of the... ...The new model, completed with asserting mechanism, write operations, and relational algebra, offers the following advantages over the existing MLS relational models: instant knowledge about **lower level** tuples (without having to use sources outside the relation or comparison to other **tuples**), **more** knowledge about the beliefs of **lower level** users, **fewer tuples** in some cases, added security (since updates of known false tuples are disallowed), and wider scope of write and relational algebra operations (without compromising security).

Book Title: 10th Annual International Conference on Computer Architecture Conference Proceedings
Inclusive Page Numbers: 67-73
Publisher: IEEE, New York, NY
Country of Publication: USA
Publication Date: 1983
Conference Title: 10th Annual International Conference on Computer Architecture
Conference Date: 13-16 June 1983
Conference Location: Stockholm, Sweden
Conference Sponsor: IEEE ACM
ISBN: 0-89791-101-6
U.S. Copyright Clearance Center Code: ACM 0149-7111/83/0600/0067$01.00
Number of Pages: ix+438
Language: English
Subfile(s): B (Electrical & Electronic Engineering); C (Computing & Control Engineering)
INSPEC Update Issue: 1983-011
Copyright: 1983, IEE
Abstract: ... is proposed. The chip is a tree of processors (TOP), where each chip has elementary storage and processing capabilities. A relation is stored in the **lowest levels** of a TOP. **More** precisely, every m-**tuple** occupies a subtree whose root is s=[log2(m+1)]-1 levels above the leaves. Denoting by h the height of the tree, the upper...

B. NPL Files, Full-text

```
File  15:ABI/Inform(R) 1971-2010/Jun 12
         (c) 2010 ProQuest Info&Learning
File   9:Business & Industry(R) Jul/1994-2010/Jun 11
         (c) 2010 Gale/Cengage
File 610:Business Wire 1999-2010/Jun 14
         (c) 2010 Business Wire.
File 810:Business Wire 1986-1999/Feb 28
         (c) 1999 Business Wire
File 275:Gale Group Computer DB(TM) 1983-2010/May 04
         (c) 2010 Gale/Cengage
File 624:McGraw-Hill Publications 1985-2010/Jun 11
         (c) 2010 McGraw-Hill Co. Inc
File 621:Gale Group New Prod.Annou.(R) 1985-2010/Apr 23
         (c) 2010 Gale/Cengage
File 636:Gale Group Newsletter DB(TM) 1987-2010/Jun 11
         (c) 2010 Gale/Cengage
File 613:PR Newswire 1999-2010/Jun 13
         (c) 2010 PR Newswire Association Inc
File 813:PR Newswire 1987-1999/Apr 30
         (c) 1999 PR Newswire Association Inc
File  16:Gale Group PROMT(R) 1990-2010/Jun 14
         (c) 2010 Gale/Cengage
File 160:Gale Group PROMT(R) 1972-1989
         (c) 1999 The Gale Group
File 634:San Jose Mercury  Jun 1985-2010/Jun 11
```

Set   Items   Description
S1   668350   (DATABASE? ? OR DATABANK? ? OR DATAMODEL? ? OR DBMS OR RDB-
                MS OR DB OR DATA()(BASE OR BASES OR MODEL OR MODELS OR BANK? ?
                OR TABLE? ?))(5N)(STRUCTUR? OR BUILD? OR CONSTRUCT? OR DESIG-
                N? OR CREAT? OR MODEL OR MODELS OR MODELING OR DEVELOP? OR CO-
                NFIGUR? OR ARRANG? OR ASSEMBL? OR BUILT OR SCHEME OR SCHEMA OR
                LAYOUT? ?)
S2   1138   (HIERARCH? OR TREE OR TAXONOM? OR MULTILEVEL? ? OR TIER? ?
                OR TIERED)(4N)(TABLE OR TABLES OR RELATIONS OR ENTITY OR ENTI-
                TIES)
S3   32   (MULTIPL? OR MANY OR SEVERAL OR NUMEROUS OR PLURALITY OR P-
                LURAL OR MORE()THAN()ONE)(3N)S2
S4   2598   (NUMBER? ? OR AMOUNT? ? OR TOTAL? ? OR QUANTITY OR QUANTIT-
                IES OR COUNT OR TALLY OR ALLOTMENT OR PROPORTION? ?)(3N)(DIME-
                NSION? ? OR TUPLE OR TUPLES OR ROW OR ROWS OR ATTRIBUTES)
S5   440   ((LOWEST OR LOWER OR SMALLER OR SMALLEST)(3N)S4 OR (LEAST -
                OR FEWEST OR FEWER OR LESS)(3N)(DIMENSION? ? OR TUPLE OR TUPL-
                ES OR ROW OR ROWS OR ATTRIBUTES))
S6   2774   ((GREATEST OR HIGHEST OR GREATER OR HIGHER)(3N)S4 OR (MOST
                OR MORE)(3N)(DIMENSION? ? OR TUPLE OR TUPLES OR ROW OR ROWS OR
                ATTRIBUTES))
S7   57671   (HIGHEST OR HIGHER OR GREATEST OR GREATER OR TOP OR UPPERM-
                OST OR MAXIMUM OR TOPMOST OR UPPER OR HIGH)(3N)(LEVEL? ? OR H-
                IERARCH? OR TIER? ? OR GRADATION? ?)
S8   16275   (LOWEST OR LOWERMOST OR BOTTOM OR BOTTOMMOST OR LOWER OR M-
                INIMUM OR LOW)(3N)(LEVEL? ? OR HIERARCH? OR TIER? ? OR GRADAT-
                ION? ?)
S9   0   S3 (S) S4
S10   2   S3 (F) S4
S11   6   S6 (8N) S8
S12   3   S5 (8N) S7
S13   1   S3 (S) (S5 OR S6)
S14   0   S3 (S) (S7 OR S8)
S15   5   S2 (S) S4
S16   86   S2 (20N) (DIMENSION? ? OR TUPLE? ? OR ROW OR ROWS)
S17   5   S16 (20N) (S5 OR S6)
S18   8   S16 (20N) (S7 OR S8)
S19   1962   S1 (5N)HIERARCH?
S20   30   S19 (10N) DIMENSION? ?
S21   1   S20 (S) (S5 OR S6)
S22   5   S20 (S) (S7 OR S8)
S23   21   (S10 OR S11 OR S12 OR S13 OR S15 OR S17 OR S18 OR S21 OR S-
                22) NOT PY>2003
S24   19   RD (unique items)
S25   1868   (MULTIDIMENSIONAL OR MULTI()DIMENSIONAL)(5N)S1
S26   59   S25 (10N)HIERARCH?
S27   5   S26 (S)(S5 OR S6)
S28   2   S26 (S) (S7 OR S8)
S29   3   S26 (F) S3
S30   61882   (FILTER? OR QUERY? OR QUERIES OR EXTRACT? OR RETRIEV? OR S-
                EARCH? OR HARVEST? OR DATAMINING OR PROCESSING OR PROCESS OR -

```
                PROCESSED OR BROWSING OR ACCESS?)(3N)(FASTER OR FAST OR QUICK-
                ER OR QUICK OR BETTER OR EFFICIENT? OR ENHANC? OR MAXIMIZ? OR
                MAXIMIS? OR RAPID? OR SPEEDY OR SPEEDIER OR SPEED OR SUPERIOR)
S31         0   S26 (S) S30
S32         3   (S3 OR S16 OR S20)(S) S30
S33         7   (S27 OR S28 OR S29 OR S32) NOT (S24 OR PY>2003)
S34         6   RD  (unique items)
S35        14   AU=((BENNETT, D? OR BENNETT D? OR BENNETT(2N)D?) OR (HU,D?
                OR HU D? OR HU(2N)D?))
S36         0   S35 AND S2
```

24/3,K/1 (Item 1 from file: 15)

02779818   575952461
Cascade Graphs: Design, Analysis and Algorithms for Relational Joins

Gopal, Ram D; Ramesh, R; Zionts, Stanley
INFORMS Journal on Computing v13n1 pp: 2-28
Winter 2001
ISSN: 1091-9856 **Journal Code:** INJC
Word Count: 12874
Text:
```
...which provide the framework for efficient join processing. We also show
that the join can be processed by a bottom-up traversal of the block
tree cascade.

Consider two relations in a customer database system as shown in
Figure 1. Relation ADDRESS stores information on the attributes
customer number (C#), customer name (NAME), and customer address
(ADD). Relation PURCHASE records customer transactions through the
attributes C#, purchase date (DATE), purchase item (ITEM), and the...
```

24/3,K/2 (Item 2 from file: 15)
02383634   128912761
Identifying brand image dimensionality and measuring the degree of brand globalization: A cross-national study
Hsieh, Ming H
Journal of International Marketing v10n2 pp: 46-67
2002
ISSN: 1069-031X **Journal Code:** INL
Word Count: 6805
Text:
```
...level of abstraction is the amount of information summarized or subsumed
in types of association, in which the same amount of information is
contained in fewer higher-level attributes as
is contained in many lower-level attributes. The other implication is the
```

...structures to return complex queries quickly.

    Summary

    I've covered the basics in this article, but there is much more to MDM: advanced topics in **schema design** for relational **databases,** techniques for **designing multidimensional databases,** the complexities of multiple **hierarchies,** cross-dimensional relationships, partial dimensionality, and handling of partially-additive and non-additive facts.

    Many dimensional models are far more complex than the examples presented...

File 635:Business Dateline(R) 1985-2010/Jun 14
       (c) 2010 ProQuest Info&Learning
File 570:Gale Group MARS(R) 1984-2010/May 10
       (c) 2010 Gale/Cengage
File 387:The Denver Post 1994-2010/Jun 13
       (c) 2010 Denver Post
File 471:New York Times Fulltext 1980-2010/Jun 14
       (c) 2010 The New York Times
File 492:Arizona Repub/Phoenix Gaz 19862002/Jan 06
       (c) 2002 Phoenix Newspapers
File 494:St LouisPost-Dispatch 1988-2010/Jun 06
       (c) 2010 St Louis Post-Dispatch
File 631:Boston Globe 1980-2009/Dec 30
       (c) 2010 Boston Globe
File 633:Phil.Inquirer 1983-2010/Jun 14
       (c) 2010 Philadelphia Newspapers Inc
File 638:Newsday/New York Newsday 1987-2010/Jun 13
       (c) 2010 Newsday Inc.
File 640:San Francisco Chronicle 1988-2010/Jun 14
       (c) 2010 Chronicle Publ. Co.
File 641:Rocky Mountain News Jun 1989-2009/Jan 16
       (c) 2009 Scripps Howard News
File 702:Miami Herald 1983-2010/Jun 13
       (c) 2010 The Miami Herald Publishing Co.
File 703:USA Today 1989-2010/Jun 11
       (c) 2010 USA Today
File 704:(Portland)The Oregonian 1989-2010/Jun 13
       (c) 2010 The Oregonian
File 713:Atlanta J/Const. 1989-2010/Jun 14
       (c) 2010 Atlanta Newspapers
File 714:(Baltimore) The Sun 1990-2010/Jun 14
       (c) 2010 Baltimore Sun
File 715:Christian Sci.Mon. 1989-2009/Dec 07
       (c) 2009 Christian Science Monitor
File 725:(Cleveland)Plain Dealer Aug 1991-2010/Jun 12
       (c) 2010 The Plain Dealer
File 735:St. Petersburg Times 1989- 2010/May 05
       (c) 2010 St. Petersburg Times
File 477:Irish Times 1999-2010/Jun 14
       (c) 2010 Irish Times
File 710:Times/Sun.Times(London) Jun 1988-2010/Jun 13
       (c) 2010 Times Newspapers
File 711:Independent(London) Sep 1988-2006/Dec 12
       (c) 2006 Newspaper Publ. PLC
File 756:Daily/Sunday Telegraph 2000-2010/Jun 14
       (c) 2010 Telegraph Group
File 757:Mirror Publications/Independent Newspapers 2000-2010/Jun 14

```
Set     Items    Description
S1      34589    (DATABASE? ? OR DATABANK? ? OR DATAMODEL? ? OR DBMS OR RDB-
                 MS OR DB OR DATA()(BASE OR BASES OR MODEL OR MODELS OR BANK? ?
                 OR TABLE? ?))(5N)(STRUCTUR? OR BUILD? OR CONSTRUCT? OR DESIG-
                 N? OR CREAT? OR MODEL OR MODELS OR MODELING OR DEVELOP? OR CO-
                 NFIGUR? OR ARRANG? OR ASSEMBL? OR BUILT OR SCHEME OR SCHEMA OR
                 LAYOUT? ?)
S2          8    (HIERARCH? OR TREE OR TAXONOM? OR MULTILEVEL? ? OR TIER? ?
                 OR TIERED)(4N)(TABLE OR TABLES OR RELATIONS OR ENTITY OR ENTI-
                 TIES)
S3          0    (MULTIPL? OR MANY OR SEVERAL OR NUMEROUS OR PLURALITY OR P-
                 LURAL OR MORE()THAN()ONE)(3N)S2
S4         46    (NUMBER? ? OR AMOUNT? ? OR TOTAL? ? OR QUANTITY OR QUANTIT-
                 IES OR COUNT OR TALLY OR ALLOTMENT OR PROPORTION? ?)(3N)(DIME-
                 NSION? ? OR TUPLE OR TUPLES OR ROW OR ROWS OR ATTRIBUTES OR L-
                 AYER? ?)
S5         16    ((LOWEST OR LOWER OR SMALLER OR SMALLEST)(3N)S4 OR (LEAST -
                 OR FEWEST OR FEWER OR LESS)(3N)(DIMENSION? ? OR TUPLE OR TUPL-
                 ES OR ROW OR ROWS OR ATTRIBUTES OR LAYER? ?))
S6         78    ((GREATEST OR HIGHEST OR GREATER OR HIGHER)(3N)S4 OR (MOST
                 OR MORE)(3N)(DIMENSION? ? OR TUPLE OR TUPLES OR ROW OR ROWS OR
                 ATTRIBUTES OR LAYER? ?))
S7       1713    (HIGHEST OR HIGHER OR GREATEST OR GREATER OR TOP OR UPPERM-
                 OST OR MAXIMUM OR TOPMOST OR UPPER OR HIGH)(3N)(LEVEL? ? OR H-
                 IERARCH? OR TIER? ? OR GRADATION? ?)
S8        443    (LOWEST OR LOWERMOST OR BOTTOM OR BOTTOMMOST OR LOWER OR M-
                 INIMUM OR LOW)(3N)(LEVEL? ? OR HIERARCH? OR TIER? ? OR GRADAT-
                 ION? ?)
S9          6    S1 (S) S4
S10         0    S5 (5N) S7
S11         0    S6 (5N) S8
S12         0    S2 (S) (S5 OR S6)
S13         0    S2 (S) (S7 OR S8)
S14        11    (S2 OR S9) NOT PY>2003
S15        11    RD  (unique items)
S16        15    AU=((BENNETT, D? OR BENNETT D? OR BENNETT(2N)D?) OR (HU,D?
                 OR HU D? OR HU(2N)D?))
S17         0    S16 AND S2
```

15/3,K/1 (Item 1 from file: 635)
DIALOG(R)File 635: Business Dateline(R)
0746359 97-04886
ObjectShare introduces jKit/Grid
Benson, Robert
Business Wire (San Francisco , CA , US) p 1
Publication Date: 961015
Word Count: 489
Dateline: Sunnyvale, CA, US, Pacific

Text:
...a division of ParcPlace-Digitalk, Inc. (Nasdaq: PARQ), today announced
the availability of jKit/Grid, a set of advanced Java components that
includes powerful grid, **table** and **hierarchical** list box user
interfaces (UIs) for building highly polished Java applets and